CLAIMS

1. A process for the production of wood material bodies which have one or more layers of strands wetted with a binding agent system,

characterised in that the binding agent system has one or more thermosettingly hardening components with a first thermosettingly curing binding agent and a second thermosettingly hardening binding agent which cures at higher temperature and/or pressure conditions than the first thermosetting binding agent, and the strands wetted with the binding agent system are pressed in a first stage under first temperature and pressure conditions which do not allow complete but only partial curing of the first thermosetting binding agent, and a post-shapeable wood material body produced in that way is pressed into a predetermined shape in a second stage under second temperature and pressure conditions which allow final curing of the first and second thermosetting binding agents.

2. A process for the production of post-shapeable wood material bodies which have one or more layers of strands wetted with a binding agent system,

characterised in that

the binding agent system contains a first thermosettingly curing binding agent and a second thermosettingly hardening binding agent which cures at higher temperature and/or pressure conditions than the first thermosetting binding agent, and the strands wetted with the binding agent system are pressed under temperature and pressure conditions which do not allow complete but only partial curing of the first thermosetting binding agent.

3. A process for the production of wood material bodies which have one or more layers of strands wetted with a binding agent system,

characterised in that

a post-shapeable wood material body with a binding agent system which contains a first thermosettingly curing binding agent and a second

thermosettingly hardening binding agent which cures at higher temperature and/or pressure conditions than the first thermosetting binding agent, wherein the first thermosettingly curing binding agent is present in the post-shapeable wood material body not in complete but in only partially cured form is pressed in a second stage to a predetermined shape under temperature and pressure conditions which allow final curing of the first and second thermosetting binding agents.

4. A process as set forth in one of the preceding claims

characterised in that the thermosettingly hardening binding agent system is modified by a third binding agent comprising a natural adhesive, in particular based on the basis of protein- and/or starch-bearing products.

5. A process as set forth in one of the preceding claims

characterised in that the first and/or the second thermosettingly hardening binding agent comprises the group of UF, MUF, MUPF, PF, PUF, RPF, RPUF, PMF and MF resins, wherein the central layer strands and the cover layer strands are glued with the same and/or different binding agents from that group.

6. A process as set forth in one of the preceding claims

characterised in that the binding agent system can be supplemented by isocyanate-based adhesives.

7. A process as set forth in claim 1

characterised in that pressing of the strands in the first stage is effected at a pressure which is at least 10 bars lower than in the second stage.

8. A process as set forth in one of the preceding claims

characterised in that pressing in the first stage is effected at a temperature of less than 120°C and pressing in the second stage is effected at a temperature of greater than 150°C.

9. A process as set forth in one of the preceding claims characterised in that the binding agent system has a combination of binding agents in powder form.

10. A process as set forth in one of the preceding claims characterised in that the binding agent system has a combination of liquid binding agents.

11. A process as set forth in one of the preceding claims characterised in that the first binding agent is liquid and the second binding agent is in powder form or the second binding agent is liquid and the first binding agent is in powder form.

12. A post-shapeable wood material body which has one or more layers of strands wetted with a binding agent system, characterised in that the binding agent system has a first thermosettingly curing binding agent and a second thermosettingly hardening agent which cures at higher temperature and/or pressure conditions than the first thermosetting binding agent and the first thermosettingly curing binding agent is present in the post-shapeable wood material body not in complete but in only partially cured form.

13. A wood material body which is subsequently shaped in a second step, wherein the wood material body has one or more layers of strands wetted with a binding agent system, characterised in that the binding agent system contains a combination of a first thermosettingly curing binding agent and a second thermosettingly curing binding agent, wherein the second thermosettingly curing binding agent cures at higher temperatures and pressures than the first thermosettingly curing binding agent, wherein the first and the second thermosettingly

hardening binding agent are finally cured at the higher temperatures and pressures or the binding agent system comprises a combination of a first thermosettingly hardened binding agent and a natural adhesive, in particular based on protein- and/or starch-bearing products.